

Title (en)  
MULTILAYER POLYMER STRUCTURE

Title (de)  
MEHRLAGIGE POLYMERSTRUKTUR

Title (fr)  
STRUCTURE DE POLYMÈRE MULTICOUCHE

Publication  
**EP 2013020 A1 20090114 (EN)**

Application  
**EP 07728099 A 20070413**

Priority  
• EP 2007053634 W 20070413  
• US 79263106 P 20060418

Abstract (en)  
[origin: WO2007118860A1] Multilayer structure comprising at least one couple (L1-L2) of adjacent layers (L1) and (L2), wherein: layer (L1) comprises at least one polymer composition (C1) comprising: (i) at least one semi-aromatic polyamide, and (ii) at least one impact modifier (I1); layer (L2) comprises at least one polymer composition (C2) comprising: (i) at least one un-functionalized polyolefin (PO2); (ii) at least one functionalized polyolefin (FPO2), said functionalized polyolefin comprising functional groups chosen from carboxylic groups, their esters, their anhydrides and their salts Process for manufacturing said multilayer structure, which comprises co-extruding or co-blowmolding polymer compositions (C1) and (C2) so as to obtain couple (L1- L2) of adjacent layers (L1) and (L2). Shaped article comprising the invented multilayer structure and process for manufacturing the shaped article.

IPC 8 full level  
**B32B 27/32** (2006.01); **B32B 27/34** (2006.01)

CPC (source: EP KR US)  
**B32B 1/00** (2013.01 - EP US); **B32B 1/08** (2013.01 - EP US); **B32B 25/14** (2013.01 - EP US); **B32B 27/08** (2013.01 - EP US); **B32B 27/20** (2013.01 - EP US); **B32B 27/32** (2013.01 - EP KR US); **B32B 27/34** (2013.01 - EP KR US); **B32B 2264/108** (2013.01 - EP US); **B32B 2270/00** (2013.01 - EP US); **B32B 2307/202** (2013.01 - EP US); **B32B 2439/00** (2013.01 - EP US); **B32B 2597/00** (2013.01 - EP US); **Y10T 428/1352** (2015.01 - EP US); **Y10T 428/139** (2015.01 - EP US); **Y10T 428/1393** (2015.01 - EP US); **Y10T 428/27** (2015.01 - EP US); **Y10T 428/31725** (2015.04 - EP US); **Y10T 428/3175** (2015.04 - EP US)

Citation (search report)  
See references of WO 2007118860A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**WO 2007118860 A1 20071025**; BR PI0710008 A2 20110802; CA 2649165 A1 20071025; CN 101448641 A 20090603; CN 101448641 B 20120530; EP 2013020 A1 20090114; EP 2013020 B1 20140101; ES 2453943 T3 20140409; HK 1128442 A1 20091030; JP 2009534214 A 20090924; JP 2013166377 A 20130829; KR 101381078 B1 20140402; KR 20090005179 A 20090112; MX 2008013347 A 20090126; MY 150076 A 20131129; RU 2008145492 A 20100527; US 2009280282 A1 20091112; US 8206834 B2 20120626

DOCDB simple family (application)  
**EP 2007053634 W 20070413**; BR PI0710008 A 20070413; CA 2649165 A 20070413; CN 200780018123 A 20070413; EP 07728099 A 20070413; ES 07728099 T 20070413; HK 09106107 A 20090707; JP 2009505857 A 20070413; JP 2013076608 A 20130402; KR 20087027811 A 20070413; MX 2008013347 A 20070413; MY PI20084125 A 20070413; RU 2008145492 A 20070413; US 29675707 A 20070413